

CLAIMS

1. A device for the emission of seismic vibrations,
intended to be mounted on a mobile platform (100), which
5 includes:

- a vibration assembly to send the vibrations into the ground, and

- a ground-hugging assembly for the device (200),

the ground-hugging assembly being intended to be fixed to
10 the mobile platform (100) and to transfer the load from it, in
a ground hugging direction (1), onto the vibration assembly
flattened against the ground, with the vibration assembly
being fixed to the ground-hugging assembly by compensation
members (251, 252, 253) designed to compensate for the
15 perpendicularity anomalies between the general plane of the
ground and the ground hugging direction (1),

characterised in that these compensation members include
long connecting elements designed to be driven in traction
along their respective longitudinal axes, the long connecting
20 elements being mounted at each of their ends, free to rotate
around at least one axis of rotation substantially
perpendicular to the ground hugging direction (1), with the
axes of rotation of each long connecting element being fixed,
one axis to the vibration assembly and the other axis to a
25 fixed part of the ground-hugging assembly.

2. A device according to the preceding claim,
characterised in that the long connecting elements are tie-
rods (253).

3. A device according to claim 1, characterised in that
the long connecting elements are tie-rods mounted on swivels.

4. A device according to one of the preceding claims,
35 characterised in that the compensation members also include
isolating members designed to compensate, in an asymmetrical
manner, for the vertical perpendicularity defaults of the

general plane of the ground with respect to the ground hugging direction (1).

5 5. A device according to one of the preceding claims,
characterised in that it does not include an upper
distribution/synchronisation frame (248).

10 6. A device according to one of the preceding claims,
characterised in that the compensation members do not include
sliding skids (259) for the vibration assembly on the ground-
hugging assembly.